



Government of India
Department of Space

iirs



Indian Space Research Organisation (ISRO)
INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN

Annual Course Calendar, IIRS Distance Learning Programme – 2024

S. N.	Couse No	Title	Tentative Dates & Timings	Duration	Type	Domain	Course Director/C coordinator
January, 2024							
1.	133	Geodata Processing using Python	January 15-19, 2024 (1600:1700 Hours)	1 Week	Live course	Data Science	Dr. Harish Chandra Karnatak/ Mr. Ravi Bhandari
2.	-	Basics of "Remote Sensing, Geographical Information System and Global Navigation Satellite System.	by AICTE (Through SWAYAM portal)	13 Weeks (Open)	MOOC	Remote Sensing and GIS	Dr. Poonam S. Tiwari
February, 2024							
3.	134	Exploring Earth's Moon through Chandrayaan	February 19-23 2024 (1100-1200 HRs)	1 Week	Live course	Space Science	SPO ISRO HQ
4.	135	Geospatial Analysis using Google Earth Engine	February 19-23, 2024 (1600 hrs. to 1700 hrs.)	1 Week	Live course	Data Science	Dr. Kamal Pandey
March, 2024							
5.	136	Advances in Remote Sensing Techniques for Geological Applications	March 11-15, 2024 (1600 hrs. to 1700 hrs.)	1 week	Live course	Geosciences	Dr. R.S.Chatterjee
6.	137	Aditya L1: India's first space-based observatory	March 18-22, 2024 (1600 hrs. to 1700 hrs.)	1 Week	Live course	Space Science	SPO ISRO HQ
7.	1036	Soil Health : Measurement & Modelling	28 March 2024	1 Day	Workshop	Soil science	Dr. Suresh Kumar/ Mr. Justin George K.
April, 2024							

S. N.	Couse No	Title	Tentative Dates & Timings	Duration	Type	Domain	Course Director/C coordinator
8.	138	पैलियोचैनल अध्ययन में भू-स्थानिक प्रौद्योगिकी के अनुप्रयोग	April 01-05, 2023	1 week	Live course	GIS Application	Dr. Harish Chandra Karnatak/ Dr. Poonam S. Tiwari
9.	139	Overview of Space Science and Technology (START Programme)	April 15-May 03, 2024	3 weeks	Live course	Space Science	SPO ISRO HQ
May, 2024							
10.	140	Forest carbon & water cycle monitoring and modelling	May 13-17, 2024	1 week	Live course	Forestry Applications	Dr. Hitendra Padalia
11.	141	Geospatial technology for modelling of Urban Environment	May 27-31, 2024	1 week	Course	Urban Planning	Dr. Sandeep Maithani
June, 2024							
12.	12	Overview of Space Exploration- For school students	June 2024 (Open)	10 sessions	MOOC	Space Science	SPO ISRO HQ
13.	142	Space Technology & Applications-For School Teachers	June 10-14, 2024	1 week	Live course	Space Technology	Dr. Harish Chandra Karnatak/ Dr. Kamal Pandey
14.	143	Geospatial Technology for Digital Agriculture	June 24-28, 2024 (1600 hrs. to 1700 hrs.)	1 week	Course	Agriculture Applications	Dr. N. R. Patel
July, 2024							
15.	1037	Potential of NISAR for disaster mitigation and management	July 11, 2024 (1000hrs. to 1600hrs.)	1 Day	Workshop	Disaster Management	Mr. CMBhatt/Mr. Hari Shankar
16.	1038	Utilities of Sun-Induced Chlorophyll Florescence in Vegetation Studies	July 18, 2024 (1000hrs. to 1600hrs.)	1 Day	Workshop	Forestry Applications	Dr. Hitendra Padalia
17.	144	AI/ML for Geodata Analysis	July 22-26, 2024	1 Week	Live Course	Data Science	PRSD and GITDL
August, 2024							
18.	145	LIDAR data processing and applications	Aug 05-16, 2024	2 week	Live Course	LiDAR Remote Sensing	Ms. Shefali Agrawal/ Dr.

S. N.	Couse No	Title	Tentative Dates & Timings	Duration	Type	Domain	Course Director/Cordinator
							Poonam S. Tiwari
19.	146	Basics of "Remote Sensing, Geographical Information System and Global Navigation Satellite System".	August 27- November 22, 2024 (1600 hrs. to 1700 hrs.)	13 Weeks	Live Course	Remote Sensing and GIS	Dr. Poonam S. Tiwari
20.	147	Remote Sensing and Digital Image Analysis.	August 27- September 20, 2024 (1600 hrs. to 1700 hrs.)	4 Weeks	Live Course	Digital Image Analysis	Mrs. Minakshi Kumar
September, 2024							
21.	1039	Understanding Cryospheric Hazards	06 September 2024	1 day	Workshop	Disaster Management	Dr. R. S. Chatterjee
22.	148	अंतरिक्ष प्रौद्योगिकी का अवलोकन	September 09-20, 2024 (1100 hrs. to 1200 hrs.)	2 weeks	Live Course	Space Technology	Dr. Harish Chandra Karnatak/ Dr. Poonam S. Tiwari
23.	149	Overview of Global Navigation Satellite System.	September 23 – October 04, 2024 (1600 hrs. to 1700 hrs.)	2 Weeks	Live Course	Satellite Navigation	Dr. Ashutosh Bhardwaj
October, 2024							
24.	1040	Space inputs for village-level crop assessment	October 08, 2024	1 day	Workshop	Agriculture applications	Dr. N. R. Patel
25.	150	Overview of Geographical Information System	October 14- Nov 01, 2024 (1600 hrs. to 1700 hrs.)	3 Weeks	Live Course	GIS	Dr. Vandita Srivastava/ Mr. Prabhakar Alok Verma
November, 2024							
26.	151	Criteria air pollutants: Implications, Chemistry, Monitoring and Modeling	November 04-08, 2024 (1100 hrs. to 1200 hrs.)	1 Week	Live Course	Atmospheric Science	Dr. Yogesh Kant

S. N.	Couse No	Title	Tentative Dates & Timings	Duration	Type	Domain	Course Director/Cordinator
27.	152	Overview of Geocomputation and Geo-web services	November 04-08, 2024 (1600 hrs. to 1700 hrs.)	1 week	Live Course	Data Science	Dr. Kamal Pandey
28.	153	RS & GIS Applications in Natural Resource Management	November 11-22, 2024 (1600 hrs. to 1700 hrs.)	2 Weeks	Liv Course	Remote Sensing Applications	Mr. C.M. Bhatt
29.	1041	Raman Spectroscopy	November 26, 2024	1 day	Workshop	Advanced Remote Sensing	Ms. Shefali Agrawal/ Dr. Shashi Kumar
30.	1042	Deep learning in ecological Studies	November 28, 2024	1 day	Workshop	Ecological Applications	Dr. Hitendra Padalia
December, 2024							
31.	154	Geo-data sharing and Cyber Security	December 09-December 20, 2024 (1600 hrs. to 1700 hrs.)	2 Weeks	Course	Cyber Security	Dr. Harish Karnatak/Mr. Dharmendra Kumar

Proposal for two course sent to AICTE for approval. May be conducted in January or July semester

Contact:

Head, GIT&DL Department

Geospatial Technology & Outreach Programme Group
Indian Institute of Remote Sensing, ISRO
Dept. of Space, Govt. of India
4- Kalidas Road, Dehradun

Email- dlp@iirs.gov.in

Tel- +91-1352524130/4354/4120